

EPA Draft Clean Power Plan: Preliminary Discussion



State Implementation Plans are due 2016-2018





June 2015: EPA issues final rule

June 2017: States that were granted one-year delays submit SIPs to EPA

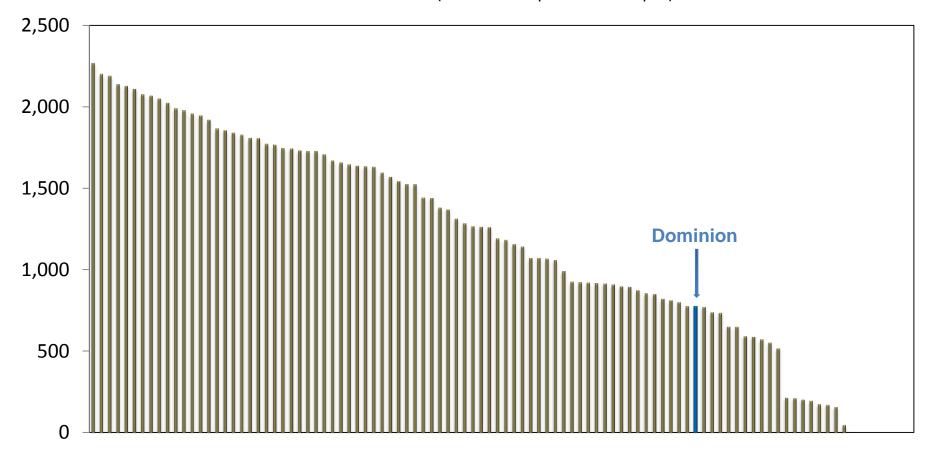
June 2018: States participating in multi-state programs submit SIPs to EPA

2030: States must meet final goal



Dominion: low carbon intensity

100 Largest U.S. Power Producers (Pounds CO2 per MWh Output)

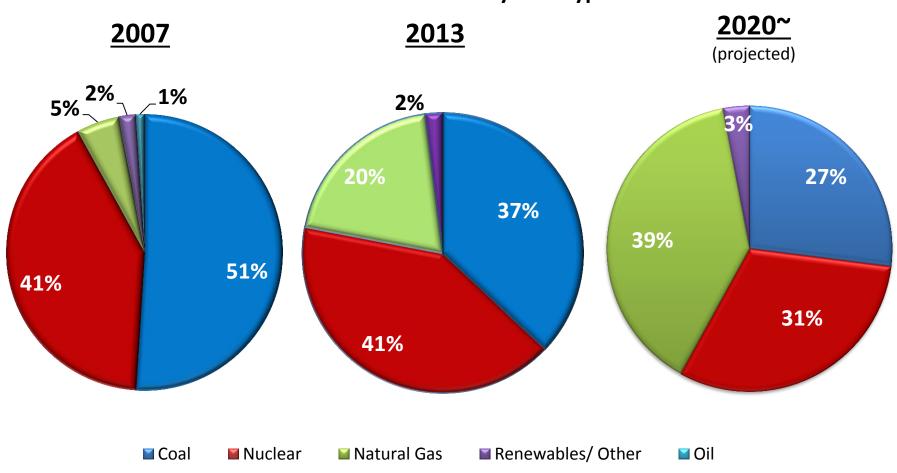


Dominion is among the lowest for CO2 emissions for the largest U.S. power producers.



Dominion Virginia Power: clean, diverse fuel Mix





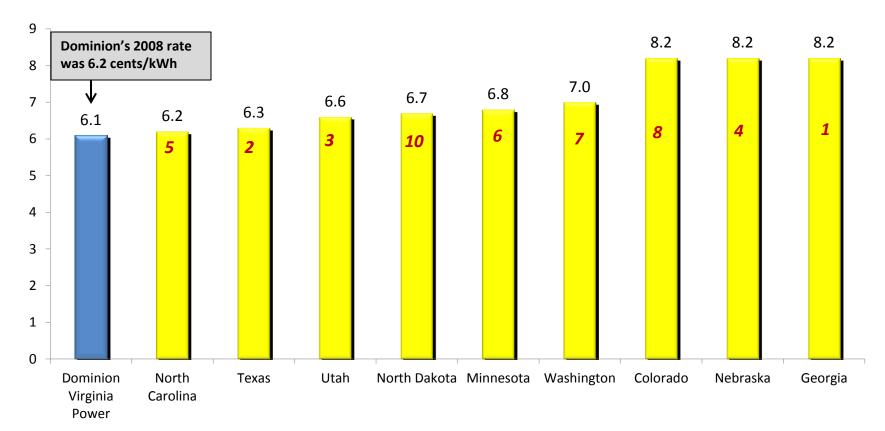
^{*}Electric Production by fuel proportions exclude non-utility generation (NUG) under contract and pumping.

^{~ 2020} estimate based on 2014 Integrated Resource Plan filed August 29, 2014.



Dominion industrial rates: lower than statewide averages in any CNBC "Top 10 for Business" state (cents per kilowatt hour)

(¢/kWh)



CNBC rankings as of June 2014 shown in red. Virginia was tied for eighth place.

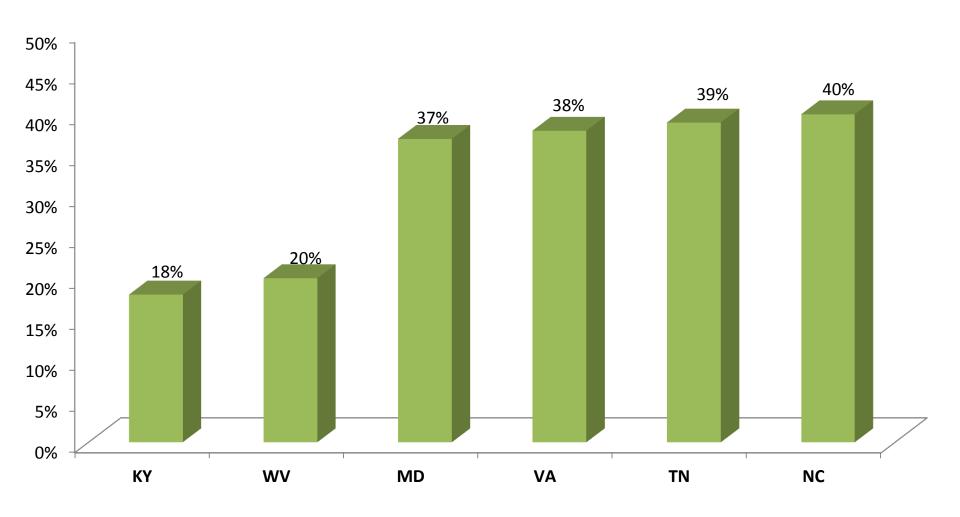
Source: EEI "Typical Bills and Average Rates Reports: Summer 2014" for rates effective July 2014 (based on 1,000 kW demand, 650,000 kWh monthly usage)

NE: U.S. EIA: "Electric Power Monthly: September 2014" for rates effective July 2014

DVP: Company information for rates effective September 1, 2014

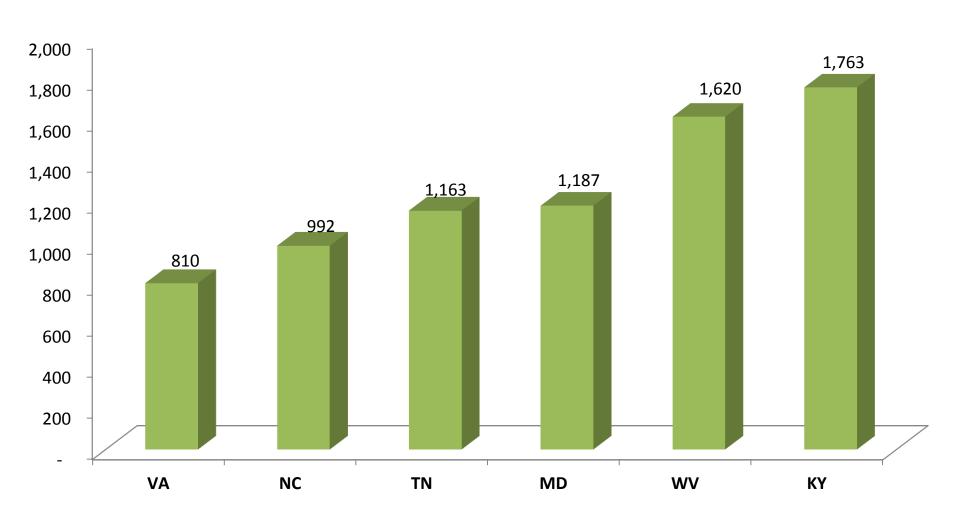


VA has to make significant reductions in carbon emissions from a very low base





VA has a stricter Clean Power Plan goal than neighboring states

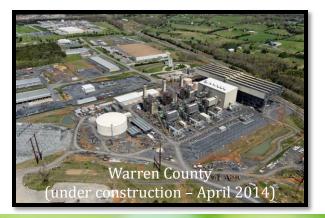




No existing coal or natural gas units in Virginia meet the 2030 standard

- None of Dominion's existing coal or natural gas power stations meet the 2030 Virginia goal
- □ Brunswick and Warren County power stations will be the most modern natural gas plants in the East
- Only Brunswick is projected to meet the 2030 standard







Dominion Virginia Power is closing or converting seven coal plants

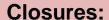


Conversions:

Altavista (coal to biomass) – 51MW

Bremo (coal to natural gas) – 227MW Hopewell (coal to biomass) – 51MW

Southampton (coal to biomass) - 51MW



North Branch (WV) – 74 MW

Chesapeake Energy Center – 595MW

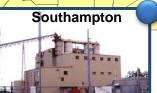
Yorktown, Units 1-2 - 323MW















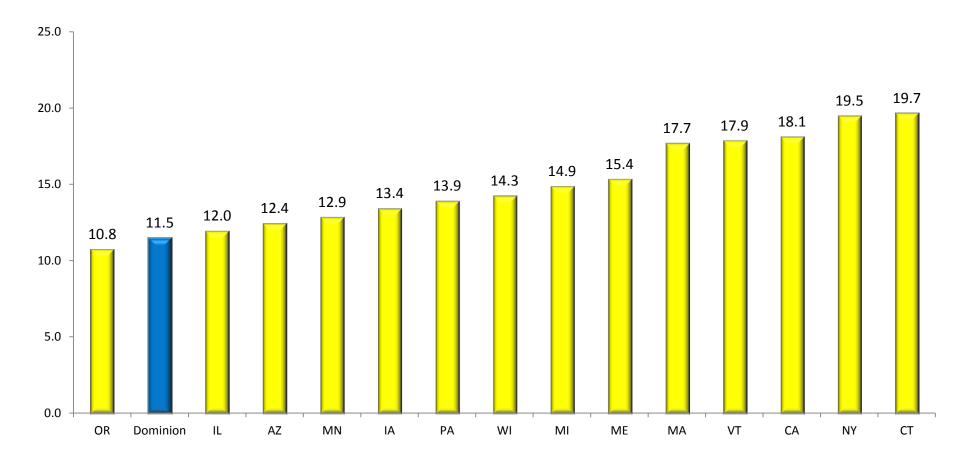
Clean Power Plan is only one of the regulatory challenges facing utilities

- Other major environmental rules
 - Power plant cooling water intakes—316 (b) final rule
 - Coal ash disposal—final rule due December, 2014
- Important to preserve our key advantages of low rates, diverse fuel mix, and reliable service



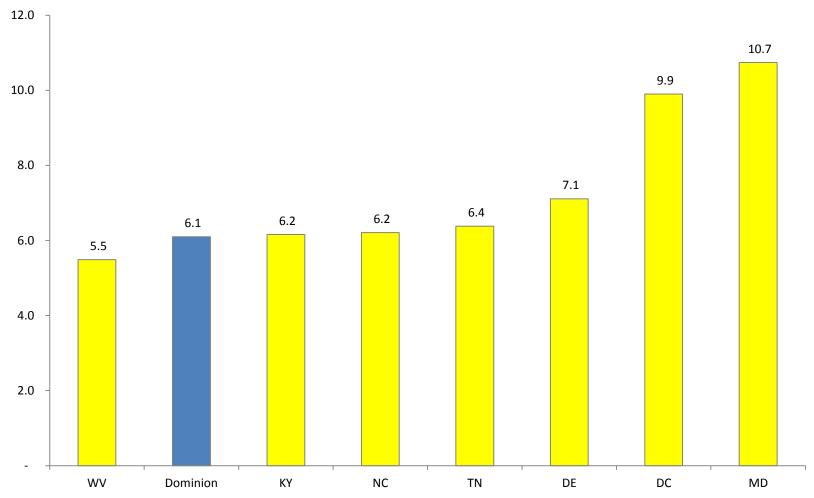


Residential rates in EPA best practices states for energy efficiency are generally higher





Dominion has lower industrial rates than all but one of its neighboring states



Dominion Virginia Power bill: Rates effective September 1, 2014 shown as centers/kilowatt hour.